Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/05/2019 09:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126214	0	1.08	126309	1.06
Blue	F	SSC	125000	125168	0	1.72	126028	1.71
Blue	E	FITC	16122	15655	-3	2.71	340	20.25
Blue	D	PE	29316	28947	-2	1.85	633	14.76
Blue	B	PerCP-Cy5-5	42590	42069	-2	3.57	1130	19.89
Blue	A	PE-Cy7	33146	33316	0	6.03	630	40.95
Red	C	APC	45473	44618	-2	2.36	1575	12.14
Red	A	APC-Cy7	31961	31079	-3	2.25	821	11.75
Violet	B	V450	7914	7575	-5	5.40	422	14.06
Violet	A	V500	29769	29192	-2	5.28	677	11.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21065	3.26	609	9	N/A	N/A	Pass
Blue	F	SSC	56952	1.19	554	16	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0195	130	Pass
Blue	D	PE	132	48.86	544	7	0.1536	237	Pass
Blue	B	PerCP-Cy5-5	207	49.42	649	11	0.0096	75	Pass
Blue	A	PE-Cy7	118	99.47	702	11	0.0109	11	Pass
Red	C	APC	375	25.26	585	6	0.0242	138	Pass
Red	A	APC-Cy7	181	29.07	562	6	0.0059	1375	Pass
Violet	B	V450	64	61.05	471	11	0.0442	1811	Pass
Violet	A	V500	102	33.25	483	11	0.0224	693	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.95	-32.24	0.95
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.50
Red	16.13	13.60 - 20.40	N/A	N/A	29.54	30.21	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11891

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments